Marie-Luce Bochaton-Piallat

List of Publications by Year
in descending order

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36 papers	2,524 citations	394421 19 h-index	395702 33 g-index
36 all docs	36 docs citations	36 times ranked	4314 citing authors

#	Article	IF	Citations
1	Biomechanical factors in atherosclerosis: mechanisms and clinical implications. European Heart Journal, 2014, 35, 3013-3020.	2.2	359
2	Endothelial dysfunction in COVID-19: a position paper of the ESC Working Group for Atherosclerosis and Vascular Biology, and the ESC Council of Basic Cardiovascular Science. Cardiovascular Research, 2020, 116, 2177-2184.	3.8	331
3	Smooth muscle cell fate and plasticity in atherosclerosis. Cardiovascular Research, 2018, 114, 540-550.	3.8	322
4	The myofibroblast in wound healing and fibrosis: answered and unanswered questions. F1000Research, 2016, 5, 752.	1.6	209
5	Endothelial function in cardiovascular medicine: a consensus paper of the European Society of Cardiology Working Groups on Atherosclerosis and Vascular Biology, Aorta and Peripheral Vascular Diseases, Coronary Pathophysiology and Microcirculation, and Thrombosis. Cardiovascular Research, 2021, 117, 29-42.	3.8	164
6	Phenotypic Heterogeneity of Rat Arterial Smooth Muscle Cell Clones. Arteriosclerosis, Thrombosis, and Vascular Biology, 1996, 16, 815-820.	2.4	142
7	Heterogeneity of Smooth Muscle Cell Populations Cultured From Pig Coronary Artery. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 1093-1099.	2.4	133
8	Phenotypic Modulation of Intima and Media Smooth Muscle Cells in Fatal Cases of Coronary Artery Lesion. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 326-332.	2.4	113
9	Reactive Oxygen-Forming Nox5 Links Vascular Smooth Muscle Cell Phenotypic Switching and Extracellular Vesicle-Mediated Vascular Calcification. Circulation Research, 2020, 127, 911-927.	4.5	104
10	Intimal Smooth Muscle Cells of Porcine and Human Coronary Artery Express S100A4, a Marker of the Rhomboid Phenotype In Vitro. Circulation Research, 2007, 100, 1055-1062.	4.5	101
11	The GLP-1R agonist liraglutide limits hepatic lipotoxicity and inflammatory response in mice fed a methionine-choline deficient diet. Translational Research, 2021, 227, 75-88.	5.0	61
12	Targeting Connexin 43 Prevents Platelet-Derived Growth Factor-BBâ€“Induced Phenotypic Change in Porcine Coronary Artery Smooth Muscle Cells. Circulation Research, 2008, 102, 653-660.	4.5	56
13	Plasminogen Activator Expression in Rat Arterial Smooth Muscle Cells Depends on Their Phenotype and Is Modulated by Cytokines. Circulation Research, 1998, 82, 1086-1093.	4.5	42
14	Extracellular S100A4 induces smooth muscle cell phenotypic transition mediated by RAGE. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2144-2157.	4.1	38
15	Correlating Clinical Risk Factors and Histological Features in Ruptured and Unruptured Human Intracranial Aneurysms: The Swiss AneuX Study. Journal of Neuropathology and Experimental Neurology, 2018, 77, 555-566.	1.7	34
16	Hyperbaric oxygen therapy promotes wound repair in ischemic and hyperglycemic conditions, increasing tissue perfusion and collagen deposition. Wound Repair and Regeneration, 2016, 24, 954-965.	3.0	32
17	Regulation of ?-smooth muscle actin and CRBP-1 expression by retinoic acid and TGF-? in cultured fibroblasts. Journal of Cellular Physiology, 2001, 187, 315-325.	4.1	29
18	Stable incorporation of Î±â€smooth muscle actin into stress fibers is dependent on specific tropomyosin isoforms. Cytoskeleton, 2015, 72, 257-267.	2.0	29

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19	S100A6 Regulates Endothelial Cell Cycle Progression by Attenuating Antiproliferative Signal Transducers and Activators of Transcription 1 Signaling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1854-1867.	2.4	22
20	Novel concepts for the role of smooth muscle cells in vascular disease: towards a new smooth muscle cell classification. Cardiovascular Research, 2018, 114, 477-480.	3.8	22
21	Smooth muscle cells of human intracranial aneurysms assume phenotypic features similar to those of the atherosclerotic plaque. Cardiovascular Pathology, 2013, 22, 339-344.	1.6	21
22	Calmodulin Expression Distinguishes the Smooth Muscle Cell Population of Human Carotid Plaque. American Journal of Pathology, 2013, 183, 996-1009.	3.8	19
23	Cellâ€specific diversity in the expression and organization of cytoplasmic plaque proteins of apical junctions. Annals of the New York Academy of Sciences, 2017, 1405, 160-176.	3.8	19
24	Future directions for therapeutic strategies in post-ischaemic vascularization: a position paper from European Society of Cardiology Working Group on Atherosclerosis and Vascular Biology. Cardiovascular Research, 2018, 114, 1411-1421.	3.8	19
25	Retinoids and Arterial Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 1882-1888.	2.4	18
26	Regulation of contractile signaling and matrix remodeling by T-cadherin in vascular smooth muscle cells: Constitutive and insulin-dependent effects. Cellular Signalling, 2014, 26, 1897-1908.	3.6	17
27	Neutralization of S100A4 induces stabilization of atherosclerotic plaques: role of smooth muscle cells. Cardiovascular Research, 2022, 118, 141-155.	3.8	17
28	Sudden coronary death in the young: Evidence of contractile phenotype of smooth muscle cells in the culprit atherosclerotic plaque. International Journal of Cardiology, 2018, 264, 1-6.	1.7	16
29	Effects of Low and High Aneurysmal Wall Shear Stress on Endothelial Cell Behavior: Differences and Similarities. Frontiers in Physiology, 2021, 12, 727338.	2.8	10
30	Tripeptide Arg-Gly-Asp (RGD) modifies the molecular mechanical properties of the non-muscle myosin IIA in human bone marrow-derived myofibroblasts seeded in a collagen scaffold. PLoS ONE, 2019, 14, e0222683.	2.5	8
31	Increased Cell Proliferation and Gene Expression of Genes Related to Bone Remodeling, Cell Adhesion and Collagen Metabolism in the Periodontal Ligament of Unopposed Molars in Growing Rats. Frontiers in Physiology, 2017, 8, 75.	2.8	7
32	Statistical Mechanics of Non-Muscle Myosin IIA in Human Bone Marrow-Derived Mesenchymal Stromal Cells Seeded in a Collagen Scaffold: A Thermodynamic Near-Equilibrium Linear System Modified by the Tripeptide Arg-Gly-Asp (RGD). Cells, 2020, 9, 1510.	4.1	6
33	Expression of Î±-smooth muscle actin in the periodontal ligament during post-emergent tooth eruption. Journal of International Medical Research, 2018, 46, 2423-2435.	1.0	3
34	Phenotypic Heterogeneity of Smooth Muscle Cells- Implications for Atherosclerosis. , 0, , 325-342.		1
35	Corrigendum to â€œCytostatic drugs differentially affect phenotypic features of porcine coronary artery smooth muscle cell populationsâ€•[FEBS Lett. 581 (2007) 5847-5851]. FEBS Letters, 2008, 582, 840-840.	2.8	0
36	Abstract 176: Extracellular S100A4 Is a Key Modulator of Arterial Smooth Muscle Cell Phenotypic Transition. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, .	2.4	0